SONY

NEX-5T/B

Compact Interchangeable Lens Digital Camera

Shoot and share DSLR-quality photos online, straight from the camera. With built-in Wi-Fi®, it even lets you download camera apps for endless creative possibilities. And the 16.1MP APS-C size sensor delivers breathtaking stills and it now focuses with incredible speed and DSLR-grade precision. All this and more in a camera that's about half the size of a DSLR.

Key Features

16.1 MP APS-C size HD image sensor

The same sensor format that Sony builds into the full-sized α DSLRs. With 13 times the area of the typical point-and-shoot image sensor, APS-C sensor size makes the difference between "snapshots" and "photographs," delivering an exceptional combination of high resolution, high sensitivity and gorgeous, blurred backgrounds.

Fast Hybrid AF

Sony's advanced Fast Hybrid AF combines two technologies for outstanding performance: Phase detection auto focus for quick response that is ideal when tracking fast-moving subjects and contrast-detection auto focus for added precision. A perfect match that delivers optimal Auto Focus for fast, precise focusing in any scene

Full HD Movies[1] at 60p/60i/24p

Capture HD Movies in your choice of super-smooth 60p, standard 60i or cinematic 24p, all at Full HD 1920x1080 resolution.[1] AVCHD™ codec delivers stunning picture quality. MP4 codec offers smaller files for easier upload to the web.

Simple connectivity to smartphones via Wi-Fi® or NFC

Connectivity with smartphones for One-touch sharing/One-touch remote has been simplified with Wi-Fi®/NFC control. In addition to Wi-Fi support for connecting to smartphones, the NEX-5T also supports NFC (near field communication) providing "touch connection" convenience when transferring images to Android™ smartphones and tablets. Users need only touch devices to connect; no complex set-up is required. Moreover, when using Smart Remote Control — a feature that allows shutter release to be controlled by a smartphone — connection between the NEX-5T and the smartphone can be established by simply touching devices.

PlayMemories Camera Apps

Personalize your camera by adding new features of your choice with PlayMemories Camera Apps. Find apps to fit your shooting style from portraits, detailed close-ups, sports, time lapse, motion shot and much more. Use apps that shoot, share and save photos using Wi-Fi that make it easy to control and view your camera from smartphone, and post photos directly to Facebook or backup images to the cloud without connecting to a computer.11

180-degree tilt-able 3.0" Touch LCD

The NEX-5T is equipped with a tilt-able LCD screen that flips up 180-degrees without sacrificing the compactness for which the 5-series is renowned for. This makes taking great self-portraits incredibly easy since users can precisely compose shots, choosing to include people or objects in the frame for more satisfying results.

Picture Effect mode

There are 11 types (15 variations) of Picture Effects to choose from: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature. Each is unique and each give you a new and exciting way to make your images and videos pop.

Up to ISO 25600 sensitivity with advanced noise reduction

With a new Exmor® sensor that features the same adaptive noise reduction technology from Sony's flagship SLT-A99V, the NEX-5T easily offers a wide range of sensitivity from ISO 100 to ISO 25600.

Accepts Sony® E-mount lenses

Compatible with Sony's wide selection of E-mount series of smaller, lighter lenses designed specifically for α NEX compact interchangeable lens cameras. Open up a world of endless creative options.

Auto Object Framing

Give your photos a professional look with Auto Object Framing. Featuring advancements like exceptional two-person portrait capability along with Face Detection and Tracking Focus, Auto Object Framing not only turns ordinary photos into stunning compositions but does so automatically recognizing the scene then cropping accordingly.

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Auto HDR mode

Captures more scene dynamic range than a single exposure can handle—and more range than photo film. Combines the best highlight detail from one shot, the best mid-tones from a second and the best shadow detail from a third for one incredible shot (up to 6 EV stops). Captures in a split second. (Recommended for still subjects.)

Face Detection/ Registration technology

The camera can automatically detect and register up to eight individual faces and adjust focus, exposure, white balance and flash to help deliver crisp, properly lit images of family and friends. Can prioritize children or adults

Sweep Panorama™ Technology

Capture expansive landscapes automatically. Press the shutter, sweep vertically or horizontally. The camera does the rest, continuously shooting images and stitching them together. Up to 23 MP image size. Up to 202 degrees maximum sweep angle (18mm focal length).

Dynamic Range Optimizer (DRO)

Improves results with backlit subjects and recovers details hidden in shadows. Settings include Auto, Level with a choice of five operating levels and Off.

Six Creative Style settings

Control how the camera processes your images with six finishing styles: Standard, Vivid, Portrait, Landscape, Sunset and B&W. You can even fine-tune contrast, saturation, and sharpness to your personal taste.

Photo Creativity Touch interface

The Photo Creativity touch interface enables you to easily enjoy the creative expression of SLR-quality digital imaging without the complicated settings. Changes can be easily made using the control dial with results seen in real time on the LCD. Settings include; Background Defocus, Brightness, Color, Vividness and most Picture Effects.

Clear Image Zoom

Utilizing Sony's exclusive By Pixel Super Resolution Technology, Clear Image Zoom increases the effective focal length of your lens up to 2x by digitally magnifying the center of your image with nearly imperceptible degradation. It virtually doubles the effective focal length of whatever lens you're using providing greater shooting flexibility.

Convenient USB charging

Easily recharge the camera via USB charging. Simply connect the bundled USB cable and recharge the battery without removing it from the camera, either via AC outlet or PC connection.

Multi-interface terminal

Multi-interface Smart Accessory[2] terminal greatly expands the connectivity options such as external flash units

Stamina™ battery power for up to 330 shots[7]

Take up to 330 shots on a single charge[7] with Sony® lithium ion Stamina™ battery power. Sony's InfoLITHIUM® battery system enables you to see the percent of power remaining, so you can keep shooting in confidence.

Specifications

Camera	
Lens Compatibility	Sony E-mount, operation with Minolta / Konica Minolta Maxxum A-mount lenses confirmed via optional LA-EA1/LA-EA2 adaptor
Camera Type	Interchangeable Lens Digital SLR camera
Lens Mount Type	Sony E-mount
Imaging Sensor	
Imaging Sensor	Exmor® APS HD CMOS sensor (23.5 X 15.6mm)
Processor	BIONZ™ image processor
Anti Dust	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Pixel Gross	Approx. 16.1M pixels
Effective Picture Resolution	Approx. 16.1 megapixels
Focal Length Conversion Factor	1.5x
Color Filter System	RGB primary color filters
Recording	

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Media Type	Memory Stick PRO Duo™ / Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Color Space	Stills: sRGB, AdobeRGB Movie: xvYCC standard (x.v.Color™ when connected via HDMI cable) compatible with TRILUMINOS™ color
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Max Effective Resolution	16.1 Megapixels
Still Image Size 16:9	L: 4912 x 2760 (7.1 MP), M:3568 x 2000 (7.1 MP), S: 2448 x 1376 (3.4 MP)
Still Image Size 3:2	L: 4912 x 3264 (16 MP), M: 3568 x 2368 (8.4 MP) , S: 2448 x 1624 (4 MP)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M), Horizontal Std.: 8,192 x 1,856 (15M), Vertical Wide: 2,160 x 5,536 (12M), Vertical Std.: 2,160 x 3,872 (8.4M), 3D Sweep Panorama: N/A
Video Mode	AVCHD / MP4 (MPEG-4 AVC (H.264))
Video Resolution	AVCHD: PS - 1920 x 1080/60p @ 28Mbps FX - 1920 x 1080/60i @ 24Mbps FH - 1920 x 1080/60i @ 17Mbps FX - 1920 x 1080/24p @ 24Mbps FH - 1920 x 1080/24p @ 17Mbps MP4: HD - 1440 x 1080/30p @ 12Mbps VGA - 640 x 480/30p @ 3Mbps
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone / Built-in monaural speaker; volume settings in 8 steps between 0 and 7
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Optics/Lens	
Aperture (Max.)	f/3.5 - 5.6
Aperture (Min.)	f/22 - F32
Digital Zoom	Approx. 4x
AF for Movie Capture	Contrast AF
Angle of View	83°-32°
Aperture Blade	7 Blades
Aspheric Elements	1 ED element, 3 aspheric elements
Dimensions (Max. Diameter x Length)	2-5/8" x 1-13/16 (64.7 x 29.9mm)
Direct Manual Focus	Yes
Exterior Finish	Black (NEX-5T/B)
EV Compensation	Still images: +/-3.0 EV (1/3EV steps selectable) Movies: +/-2.0 EV (1/3EV steps selectable)
LCD Display	
LCD Type	3.0" (7.5cm) Touchscreen TFT LCD (921,600 dots)
Angle Adjustment	Tilt angle: Up: 180 degrees; Down: Approx. 50 degrees
Brightness Control	Auto, Manual (5 steps between -2 to +2)
Coverage	100%
Live View	Continuous Live View
Real-time image adjustment display	On / Off
Histogram	Yes (On / off)

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Peaking	Yes (Level setting: High / Mid / Low / Off, Color: White / Red / Yellow)
Grid Display	Yes (Rule of Thirds, 4x6 Square, Diagonal & 4x6 Square Grids, Off)
Customization	Grid, Histogram display, Digital Level Gauge, Grid Line, Magnified display for playback
Touch Panel	Yes
Focus Control	
Focus System	Fast Hybrid AF (phase-detection AF / contrast-detection AF)
Focus Points	99 points (phase-detection AF), 25 points (contrast-detection AF)
AF Modes	Single-shot AF (AF-S), Continuous AF (AF-C), Auto Focus, Direct Manual Focus (DMF), Manual Focus
Focus Area	Multi Point AF (99 points for phase-detection AF, 25 points for contrast-detection AF), Center-weighted, Flexible, Spot
Focus Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Manual Focus Assist	MF Assist (4.8x, 9.6x)
Focus Features	Predictive control (AF-A, AF-C), Focus Lock
AF Illuminator	Yes (with built-in LED type)
Exposure System	
Picture Effect(s)	11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast, Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature
Auto Exposure Lock	Yes (AE Lock button). Can be disabled from menu
Color Temperature	2500 – 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom
Creative Style	Standard, Vivid, Portrait , Landscape, Sunset, Black & White (Contrast (-3 to +3steps), Saturation (-3 to +3steps), Sharpness (-3 to +3steps)
D-Range Optimizer	Yes: (Auto, Level, Off)
Exposure Bracketing	3 continuous or single shots in 1/3 or 2/3 EV steps
Exposure Compensation	Still images: +/-3.0 EV (1/3EV steps selectable) Movies: +/-2.0 EV (1/3EV steps selectable)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
ISO	Stills: ISO 100-25600 selectable in 1 EV steps, Auto (100-3200) Movies: ISO 100-6400 selectable in 1 EV steps, Auto (100-3200)
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Noise Reduction	Long exposure NR: available of shutter speeds longer than 1 sec
Scene Mode(s)	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Hand-held Twilight, Anti Motion Blur
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Color temperature range 2500 to 9900K, Custom
Drive System	
Burst Buffer	JPEG Standard (11 shots) JPEG Fine (11 shots) RAW (10 shots) RAW+JPEG (9 shots)
Continuous Shooting Speed	Speed Priority Continuous mode: 10 fps
Drive Mode	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay), Self-timer (Cont.) (with 10 sec. delay; 3/5 exposures), Bracketing
Self-timer	2-sec. or 10-sec. delay

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Shutter Speeds	Still images: 1/4000 to 30 sec, Bulb Movies: 1/4000 to 1/4 (1/3 steps) Up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter
Flash	
Flash Bracketing	±2.0 EV
Flash Compensation	±2.0 EV (switchable between 1/3 EV steps)
Flash Coverage	16 mm (focal length printed on lens body)
Flash Metering System	Pre-flash TTL
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable)
Flash Type	External flash (supplied) attachable to Smart Accessory Terminal2
Guide Number	7 (in meters at ISO100)
Recycling Time	Approx. 4 sec.
Convenience Features	
Self Timer	Yes
Red-Eye Reduction	Yes
Erase/Protect	Yes
Media/Battery Indicator	Yes
Power Save Mode	Yes
Still Image Playback Options	Slideshow, Panorama scrolling, Folder selection (Still)
Video Playback Options	Forward / Rewind (movie)
Multiple Language Display	Yes
View & Index	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
Advanced Features	
Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Image Stabilization	Lens-based (where applicable)
Intelligent Auto	Yes
Wi-Fi	Yes
x.v.Color™	x.v.Color™ when connected via HDMI cable
Superior Auto	Yes
Tracking Focus	Yes
Anti Motion Blur	Yes
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)
Photo Creativity	Yes
Priority Setting (for Face Detection)	Yes (eight faces max)
Shooting Tips	Yes
Sweep Panorama	Horizontal (Wide / Standard), Vertical (Wide / Standard)
Accessories	

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Supplied Accessories	Flash and flash case NP-FW50 rechargeable battery AC-UB10 AC adaptor Shoulder strap Body cap Micro USB cable CD-ROM

1. Records in up to 29 minutes segments.
5. Attaching Sony A-mount lens requires LA-EA1 (note: Autofocus available with SSM and SAM series lenses when using LA-EA1) or LA-EA2 adaptors (sold separately).
6. Compatible with BRAVIA® Sync or Theatre Sync™ HDTVs connected via HDMI®.
7. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. Requires compatible BRAVIA® HDTV and cable sold separately
9. Auto Focus function available with Sony E-Mount lenses and Sony A-mount SSM and SAM series lenses when using LA-EA1.